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complements of the foregoing nucleic acids are also embraced by the invention. The preferred cadherin-11 homologs have at least 85% sequence homology to SEQ. ID. NO: 1. More preferably the cadherin-11 homologs have at least 90% and most preferably at least 95% sequence homology to SEQ. ID. NO: 1. The homology can be calculated using various, publicly available software tools developed by NCBI (Bethesda, Maryland) that can be obtained through the internet at the NCBI/NIH website. Exemplary tools include the BLAST system available at the NCBI/NIH website. Pairwise and ClustalW alignments (BLOSUM30 matrix setting) as well as Kyte-Doolittle hydropathic analysis can be obtained using the MacVetor sequence analysis software (Oxford Molecular Group).

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## In the Claims

Please re-write the claims as indicated below. A marked-up version of the claims is provided in Appendix A.

1. (Once Amended) A method for treating a subject having an inflammatory joint disorder comprising

By

administering to a subject in need of such treatment a therapeutically effective amount of a cadherin-11 inhibitory agent

wherein the cadherin-11 inhibitory agent is an antibody to cadherin-11 that inhibits binding of cadherin-11 to a cadherin-11 counter-receptor.

- 3. The method of claim 1, wherein the inflammatory joint disorder is an autoimmune disease.
- 5. The method of claim 1, wherein the cadherin-11 inhibitory agent is administered locally to a synovium of the subject.
- 6. The method of claim 1, wherein the cadherin-11 inhibitory agent binds selectively to cadherin-11.

16. The method of claim 1, wherein the cadherin-11 counter-receptor is selected from the group consisting of a cadherin, an integrin, a carbohydrate and an immunoglobulin family member.

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44. (Once Amended) A method for treating a subject having an inflammatory joint disorder comprising

administering to a subject in need of such treatment a therapeutically effective amount of an agent that is an antibody to cadherin-11 which modulates a cellular function in a cadherin-11 expressing cell.

- 45. The method of claim 44, wherein the cellular function is selected from the group consisting of cell proliferation, factor secretion, apoptosis, migration and attachment.
- 50. (New) The method of claim 1, wherein the inflammatory joint disorder is chronic synovitis.



- 51. (New) The method of claim 3, wherein the autoimmune disease is rheumatoid arthritis.
- 52. (New) The method of claim 1, wherein cadherin-11 and the cadherin-11 counterreceptor are expressed by separate cells.
- 53. (New) The method of claim 1, wherein cadherin-11 is expressed by a cell selected from the group consisting of a type A synoviocyte, a type B synoviocyte, a synovial derived fibroblast, a synovial membrane lining cell, an osteoblast, a cartilage-derived cell and an invasive pannus-derived cell.
- 54. (New) The method of claim 1, wherein the cadherin-11 counter-receptor is expressed by a cell selected from the group consisting of a type A synoviocyte, a type B synoviocyte, a synovial derived fibroblast, a synovial membrane lining cell, an osteoblast, a